Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. *(currently amended)* A method for providing services via a packet-switched (PS) multimedia network to users communicating in a circuit-switched (CS) domain, comprising:

establishing a dialog between a plurality of terminals ~~through the PS multimedia network~~ using a Session Initiation Protocol (SIP) through an Internet Protocol Multimedia Subsystem (IMS) of the PS multimedia network;

providing at least one service to at least one of the terminals via the dialog;

communicating CS bearer information between the plurality of terminals via the dialog by way of Session Description Protocol (SDP) messages having SDP extensions indicating the CS bearer information, wherein the CS bearer information includes at least an indication that a communication flow is requested via a CS network and a caller line identifier associated with terminals sending the SDP messages;

parsing the SDP messages in terminals receiving the SDP message to determine the CS bearer information; and

effecting the communication flow between the plurality of terminals via the CS network as directed by the CS bearer information.

2. *(canceled)*

3. *(canceled)*

4. *(currently amended)* The method of Claim 1~~3~~, wherein establishing a dialog using SIP comprises sending a SIP INVITE message from a first of the plurality of terminals to at least a second of the plurality of terminals, and wherein communicating CS bearer

2

information comprises communicating the CS bearer information by way of a session description provided via a message body of the SIP INVITE message.

5. *(canceled)*

6. *(canceled)*

7. *(currently amended)* The method of Claim 16, wherein communicating the CS bearer information by way of an SDP messages comprises communicating at least some of the CS bearer information via a media type particular to communication flows via the CS network.

8. *(currently amended)* The method of Claim 7, wherein communicating the CS bearer information by way of an SDP messages further comprises communicating at least some of the CS bearer information via an SDP connection data field identifying the CS network.

9. *(currently amended)* The method of Claim 16, wherein communicating the CS bearer information by way of an SDP messages comprises communicating at least some of the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flows via the CS network.

10. *(currently amended)* The method of Claim 9, wherein communicating the CS bearer information by way of an SDP messages further comprises communicating at least some of the CS bearer information via an SDP connection data field identifying the CS network.

11. *(currently amended)* The method of Claim 9, wherein communicating the CS bearer information by way of an SDP messages further comprises communicating at least some of the CS bearer information via an SDP attribute indicative of a type of the communication flow to be effected via the CS network.

12. *(currently amended)* The method of Claim 16, wherein communicating the CS bearer information by way of an SDP messages comprises communicating at least some of the CS

3

bearer information via a sub-field of an application media type, wherein the sub-field is particular to the communication flows via the CS network.

13. *(currently amended)* The method of Claim 12, wherein communicating the CS bearer information by way of ~~an~~ SDP messages further comprises communicating at least some of the CS bearer information via an SDP connection data field identifying the CS network.

14. *(currently amended)* The method of Claim 12, wherein communicating the CS bearer information by way of ~~an~~ SDP messages further comprises communicating at least some of the CS bearer information via an SDP attribute indicative of a type of the communication flow to be effected via the CS network.

15. *(currently amended)* The method of Claim 16, wherein communicating the CS bearer information by way of ~~an~~ SDP messages comprises communicating at least some of the CS bearer information via a session-level attribute indicating that the communication flow is to be effected via the CS network.

16. *(currently amended)* The method of Claim 13, wherein communicating CS bearer information comprises communicating the CS bearer information by way of a CS-specific content type value associated with a SIP Content-Type header.

17. *(currently amended)* The method of Claim 13, wherein communicating CS bearer information comprises communicating the CS bearer information by way of a CS-specific value associated with a CS-specific SIP header.

18. *(original)* The method of Claim 1, wherein communicating CS bearer information comprises communicating the CS bearer information by way of a session description definition provided via the dialog.

19. *(original)* The method of Claim 1, wherein communicating CS bearer information comprises communicating the CS bearer information by way of a CS-specific content type

4

value associated with a header of a signaling protocol operable in the PS multimedia network.

20. *(original)* The method of Claim 1, wherein communicating CS bearer information comprises communicating the CS bearer information by way of a CS-specific value associated with a CS-specific header of a signaling protocol operable in the PS multimedia network.

21. *(original)* The method of Claim 1, wherein providing at least one service comprises providing at least one of a multimedia Caller Line Identification service, video service, audio service, video telephony service, multimedia conference service, voicemail, call forwarding, call transfer, and application sharing service.

22. *(original)* The method of Claim 1, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating real-time media through the CS network.

23. *(original)* The method of Claim 1, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating a conversational quality of service class flow through the CS network.

24. *(original)* The method of Claim 1, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating a streaming quality of service class flow through the CS network.

25. *(original)* The method of Claim 1, wherein effecting the communication flow between the plurality of terminals via the CS network comprises communicating at least one of a voice call, video transmission, audio transmission, and facsimile transmission through the CS network.

26. *(currently amended)* A method for establishing a circuit-switched (CS) connection between at least two terminals, comprising:

establishing a dialog between the at least two terminals ~~through a packet-switched (PS) multimedia network~~ using a Session Initiation Protocol (SIP) through an Internet Protocol Multimedia Subsystem (IMS) of a packet-switched (PS) multimedia network;

communicating CS bearer information between the at least two terminals via the dialog by way of a Session Description Protocol (SDP) message having SDP extensions indicating the CS bearer information, wherein the CS bearer information includes at least an indication that a communication flow is requested via a CS network and a caller line identifier associated with the terminal sending the SDP message;

parsing the SDP message in the terminal receiving the SDP message to determine the CS bearer information;

establishing a connection via the CS network based at least in part on the CS bearer information provided via the dialog; and

effecting the communication flow between the at least two terminals using the connection established via the CS network.

27. *(canceled)*

28. *(canceled)*

29. *(currently amended)*A terminal for receiving services via a packet-switched (PS) multimedia network and communicating via a circuit-switched (CS) network, comprising:

a processing system;

a Session Initiation Protocol (SIP) ~~first~~ user agent that causes ~~operable via~~ the processing system ~~and configured~~ to establish a dialog using SIP with at least one targeted recipient terminal through an Internet Protocol Multimedia Subsystem (IMS) of the PS multimedia network, and to communicate CS bearer information to the at least one targeted recipient terminal via the dialog, wherein the CS bearer information includes at least an indication that a communication flow is requested via a CS network and a caller line identifier associated with the terminal;

6

a session description user agent operatively coupled to the SIP user agent, wherein the session description user agent causes the processing system to provide the CS bearer information to be communicated by the SIP user agent by way of a Session Description Protocol (SDP) message having an SDP extension indicating the CS bearer information; and

a ~~second~~ user agent operable via the processing system and that causes the processing system to effect the communication flow between the terminal and the at least one targeted recipient terminal via the CS network as directed by the CS bearer information.

30. *(canceled)*

31. *(canceled)*

32. *(canceled)*

33. *(canceled)*

34. *(currently amended)* The terminal as in Claim 29~~32~~, wherein the session description user agent comprises a Session Description Protocol (SDP) user agent ~~configured to~~ that causes the processing system to provide the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flow via the CS network.

35. *(currently amended)* The terminal as in Claim 29~~32~~, wherein the session description user agent comprises a Session Description Protocol (SDP) user agent ~~configured to~~ that causes the processing system to provide the CS bearer information via a sub-field of an application media type, wherein the sub-field is particular to the communication flow via the CS network.

36. *(currently amended)* The terminal as in Claim 29~~32~~, wherein the session description user agent comprises a Session Description Protocol (SDP) user agent ~~configured to~~ that

7

causes the processing system to provide the CS bearer information via a session-level attribute indicating that the communication flow is to be effected via the CS network.

37. *(currently amended)* The terminal as in Claim 29~~31~~, wherein the SIP user agent ~~is configured to~~ further causes the processing system to provide the CS bearer information via a CS-specific content type value associated with a SIP Content-Type header.

38. *(currently amended)* The terminal as in Claim 29~~31~~, wherein the SIP user agent ~~is configured to~~ further causes the processing system to provide the CS bearer information via a CS-specific value associated with a CS-specific SIP header.

39. *(original)* The terminal as in Claim 29, wherein the terminal comprises a mobile station wirelessly coupled to the PS multimedia network and CS network via a Radio Access Network (RAN).

40. *(currently amended)* A system for providing Internet Protocol Multimedia Subsystem (IMS)-based services to users communicating time delay-sensitive information over a circuit switched (CS) network, comprising:

    a receiver terminal;

    a sender terminal comprising:

        a sender terminal processing system;

        a sender terminal Session Initiation Protocol (SIP) user agent operable via the sender terminal processing system ~~and configured~~ that causes the sender terminal processing system to initiate a dialog with the receiver terminal through the IMS, and to communicate CS bearer information to the receiver terminal via the dialog by way of a Session Description Protocol (SDP) message having an SDP extension indicating the CS bearer information, wherein the CS bearer information includes at least an indication that a communication flow with the receiver terminal is requested via a CS network and a caller line identifier associated with the sender terminal; and

a sender terminal CS communication user agent operable via the sender terminal processing system ~~and configured~~ that causes the sender terminal processing system to effect the communication flow with the receiver terminal via the CS network as directed by the CS bearer information;

wherein the receiver terminal comprises:

a receiver terminal processing system;

a receiver terminal SIP user agent operable via the recipient terminal processing system ~~and configured to~~ that causes the receiver terminal processing system to parse the SDP message to recognize the CS bearer information, and to respond to the sender terminal acknowledging receipt of the CS bearer information; and

a receiver terminal CS communication user agent operable via the receiver terminal processing system and ~~configured~~ causing the receiver terminal processing system to effect the communication flow with the sender terminal via the CS network as directed by the CS bearer information.

41. *(currently amended)* A computer-readable medium having instructions stored thereon which are executable by a computer system for establishing a circuit-switched (CS) connection between at least two terminals by performing steps comprising:

establishing a dialog between the at least two terminals ~~through a packet-switched (PS) multimedia network~~ using a Session Initiation Protocol (SIP) through an Internet Protocol Multimedia Subsystem (IMS) of a packet-switched (PS) multimedia network;

communicating CS bearer information between the at least two terminals via the dialog by way of a Session Description Protocol (SDP) message having an extension part indicating the CS bearer information, wherein the CS bearer information includes at least an indication that a communication flow is requested via a CS network and a caller line identifier associated with terminals sending the SDP message;

establishing a connection via the CS network based at least in part on the CS bearer information provided via the dialog; and

9

effecting the communication flow between the at least two terminals using the connection established via the CS network.

42. *(canceled)*

43. *(currently amended)* The computer-readable medium as in Claim 41~~42~~, wherein the instructions for performing the step of communicating CS bearer information comprise instructions for communicating the CS bearer information by way of a CS-specific content type value associated with a SIP Content-Type header.

44. *(currently amended)* The computer-readable medium as in Claim 41~~42~~, wherein the instructions for performing the step of communicating CS bearer information comprise instructions for communicating the CS bearer information by way of a CS-specific value associated with a CS-specific SIP header.

45. *(canceled)*

46. *(currently amended)* The computer-readable medium as in Claim 41~~45~~, ~~wherein the session description definition comprises a Session Description Protocol (SDP), and~~ wherein the instructions for communicating the CS bearer information by way of the SDP message comprise instructions for communicating at least some of the CS bearer information via a media type particular to communication flows via the CS network.

47. *(currently amended)* The computer-readable medium as in Claim 41~~45~~, ~~wherein the session description definition comprises a Session Description Protocol (SDP), and~~ wherein the instructions for communicating the CS bearer information by way of the SDP message comprise instructions for communicating at least some of the CS bearer information via a sub-field of a media type, wherein the sub-field is particular to communication flows via the CS network.

10

48. *(currently amended)* The computer-readable medium as in Claim 4145, ~~wherein the session description definition comprises a Session Description Protocol (SDP), and~~ wherein the instructions for communicating the CS bearer information by way of the SDP <u>message</u> comprise instructions for communicating at least some of the CS bearer information via a sub-field of an application media type, wherein the sub-field is particular to the communication flows via the CS network.

49. *(currently amended)* The computer-readable medium as in Claim 4145, ~~wherein the session description definition comprises a Session Description Protocol (SDP), and~~ wherein the instructions for communicating the CS bearer information by way of the SDP <u>message</u> comprise instructions for communicating at least some of the CS bearer information via a session-level attribute indicating that the communication flow is to be effected via the CS network.